

Road Weather Information System (RWIS) Deployment**FY2008 Request:****\$522,900****Reference No:****41535****AP/AL:** Appropriation**Category:** Transportation**Location:** Statewide**House District:** Statewide**Estimated Project Dates:** 07/01/2007 - 06/30/2012**Project Type:** Information Systems**Contact:** John MacKinnon**Contact Phone:** (907)465-6973**Brief Summary and Statement of Need:**

The Road Weather Information System (RWIS) network is a collection of environmental sensor stations (ESS) strategically located along major roadways. Each station has weather sensors that collect atmospheric, pavement conditions, sub-pavement temperatures, and images to display the roadway conditions. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage.

Funding:	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	Total
Fed Rcpts	\$522,900						\$522,900
Total:	\$522,900	\$0	\$0	\$0	\$0	\$0	\$522,900

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2007 - \$540,000.

Project Description/Justification:

The Road Weather Information System (RWIS) deployment is a network of environmental sensor stations (ESS) strategically located along major roadways. Each station has environmental sensors that collect atmospheric data, pavement temperatures, sub-surface pavement temperatures, and visual images. The RWIS provides information for Department of Transportation and Public facilities (DOT&PF) Maintenance and Operations to make winter maintenance decisions such as snow plowing and deicing activities and for safety and efficiency of travel. RWIS data are available internally through ScanWeb, externally to the public via the DOT&PF public RWIS web site (<http://roadweather.alaska.gov/>), and through 511 Travel in the Know (<http://511.alaska.gov/>). RWIS data are also transferred to the National Weather Service and the military. This project is a continuation of the FY2004 - 2007 Information Technology (IT) Plan project. For FY2008 - 2010, the RWIS deployment has been separated into a business case and an operation area.

Forty sites are operational as part of the FY2005, FY2006, and FY2007 IT plans. Four new sites are waiting communication. Six new sites are planned for FY2008 unless priorities change due to support for the Alaska pipeline and other strategic transportation corridors.